ACTA GEOLOGICA

(REM CRYSTALLOGRAPHICAM, MINERALOGICAM, PETROGRAPHICAM, GEOCHIMICAM PALAEONTOLOGICAMQUE INCLUDENTIA)

ACADEMIAE SCIENTIARUM HUNGARICAE

S.S.

EDITED BY
E. SZÁDECZKY-KARDOSS

EDITORIAL BOARD
T. BÁLDI, J. FÜLÖP, I. KUBOVICS, E. NEMECZ, GY. PANTÓ,
É. PÉCSI-DONÁTH (co-ordinating editor)

VOL. 24

AKADÉMIAI KIADÓ, BUDAPEST
1981

ACTA GEOLOGICA

(RERUM GEOLOGICARUM MINERALOGICARUM PETROGRAPHICARUM GEOCHEMICARUM PALAEONTOLOGICARUM DISSERTATIONES)

ACADEMIAE SCIENTIARUM HUNGARICAE

EDITED BY

E. SZADECZKY-KARDOSS

EDITORIAL BOARD

T. BALOGH, J. FÜLÖP, I. KUBOVICS, E. SZENDE, GY. RAKÓ,
S. PÁCSI-DONÁTH (co-ordinating editor)

VOL. II

BUDAPEST
1954

ACTA GEOLOGICA

VOL. 24

No 1.

WORKSHOP MEETING ON IGCP PROJECT 4: TRIASSIC OF THE TETHYS REALM AND 106: PERMO-TRIASSIC STAGE OF GEOLOGICAL EVOLUTION

1978, OCT. 3—5. BUDAPEST

BALOGH, K.: Correlation of the Hungarian Triassic 3

BARABÁS-STUHL, Á.: Microflora of the Permian and Lower Triassic Sediments of the Mecsek Mountains (South Hungary) 49

PANTIĆ-PRODANOVIĆ, S.—B. RADOŠEVIĆ: Biostratigraphic and Sedimentologic Characteristic of Upper Permian and Lower Triassic Sediments in the Gubčevo Mt. Area, Yugoslavia 99

BÉRCZI-MAKK, A.—V. KOCHANSKY-DEVIDÉ: Marine Lower and Middle Permian in the Oil Exploratory Well Újfalu-I (SW Hungary) 117

KOZUR, H.: Zur Anwendung litho- und biostratigraphischer Gliederung im Rotliegenden 129

Nos 2—4.

MINERALOGY

NAGY-CZAKÓ, I.—A. VÉRTES—S. MUSIČ—O. HADŽIJA—Z. DRAVČEVIĆ—O. LAHODNY-ŠARC: ^{57}Fe Mössbauer Analysis of Chrysotile Asbestos from Various Mining Regions 149

SINHA, R. N. P.—Y. ROY: Mechanism of Distribution of Fe^{2+}/Fe^{3+} in Nature Magnetite Mineral 157

KISS, J.: Dolomitization, De-dolomitization, Re-calcitization in Hydrothermal Conditions (50°—300 °C) 161

MAKSIMOVIĆ, Z.—GY. PANTÓ: Synchisite-(Nd) from Grebnik Bauxite Deposit (Yugoslavia) 217

PETROLOGY, GEOCHEMISTRY

VEERRAJU, N.—C. BORRESWARA RAO: Formation of Bauxite from Khondalite 223

COUTIN, D. P.—E. DUDICH—E. NAGY: Accumulation of Bauxitic Materials in Guantánamo Province, Cuba 229

DUDICH, E.: Regional Effects on the Evolution of Theories on Bauxite Genesis 247

FRANCO, G. L.—GY. RADÓCZ—E. NAGY: Contribution to the Study of Fossil Coral Facies Development in Eastern Cuba 257

ÁRKAI, P.—Z. A. HORVÁTH—M. TÓTH: Transitional Very Low and Low-grade Regional Metamorphism of the Paleozoic Formations, Uppony Mountains, NE Hungary: Mineral Assemblages, Illite-crystallinity, — b_0 and Vitrinite Reflectance Data ... 265

SVINGOR, É.—Á. KOVÁCH: Rb/Sr Isotopic Studies on Granodioritic Rocks from the Mecsek Mountains, Hungary 295

BUDA, GY.: Genesis of the Hungarian Granitoid Rocks 309

EL SHAZLY, E. M.—M. M. ALY—A. A. EL SOKKARY—A. F. KAMEL: The Geology and Chemistry of the Granite South Wadi Siwiqat El Soda 319

GOKHALE, N. W.—S. C. PURANIK: On the Occurrence of Spherulitic in Basic Dyke from Doni Area, India 331

BAKSA, Cs.—J. CSILLAG—J. FÖLDESSY—T. ZELENKA: A Hypothesis about the Tertiary Volcanic Activities of the Mátra Mountains, NE Hungary 337

EMBEY-ISZTIN, A.: Statistical Analysis of Major Element Patterns in Basaltic Rocks of Hungary 351

HAMED METWALLI, M.—G. PHILIP—A. A. YOUSSIF EL-SAYED: El-Morgan Oil Field Crude Oil and Cycles of Oil Generation, Migration and Accumulation in the Gulf of Suez Petroleum Province, A. R. Egypt 369

PALEONTOLOGY, STRATIGRAPHY

BÉRCZI-MAKK, A.: *Palaeolituonella majzoni* nov. gen. sp. (Foraminifera) from a Wetterstein Reef Limestone in NE Hungary 389

MATHEMATICAL STATISTICS

DIENES, I.: The Establishment of Optimal Time Scales and their Use 395